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INFORMATION DISCLOSURE STATEMENT

SHEET 1 OF 4

Complete if known	
Application Number	09/889,630
Filing Date	July 19, 2001
First Named Inventor	Ming-Fong Lin
Group Art Unit	1655
Examiner Name	A. Chakrabarti
Attorney Docket Number	0685-UNMC.6313US

UNITED STATES PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT

OTHER PRIOR ART - NON-PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
AC	C1	LILJA, H. et al., "Three Predominant Proteins Secreted by the Human Prostate Gland"; The Prostate, 12: 29-38 (1988)
	C2	BANAS, B. et al., "Analysis of the promoter of the human prostatic acid phosphatase gene"; Biochimica et Biophysica Acta 1217: 188-194 (1994)
	C3	CLARKE, R. et al., "Progression of human breast cancer cells from hormone-dependent to hormone-independent growth both *in vitro* and *in vivo*"; Proc. Natl. Acad. Sci., 86: 3649-3653 (1989)
	C4	CLEUTJENS, K.B.J.M. et al., "An Androgen Response Element in a Far Upstream Enhancer Region is Essential for High, Androgen-Regulated Activity of the Prostate-Specific Antigen Promoter"; Molecular Endocrinology, Vol. 11 No. 2, 148-161 (1997)
	C5	COHEN, P., "Classification of Protein-Serine/Threonine Phosphatases: Identification and Quantitation in Cell Extracts"; Methods in Enzymology, Vol. 201, 389-398 (1991)
	C6	CULIG, Z., et al., "DNA Sequence of the Androgen Receptor in Prostatic Tumor Cell Lines and Tissue Specimens Assessed by Means of the Polymerase Chain Reaction"; The Prostate, 22: 11-22 (1993)
AC	C7	GARCIA-ARENAS, R. et al., "The expression of prostatic acid phosphatase is transcriptionally regulated in human prostate carcinoma cells"; Molecular and Cellular Endrocrinology, 111: 29-37 (1995)

EXAMINER'S SIGNATURE	Arun Kr. Chakrabarti	DATE CONSIDERED	2/15/05 9/24/02

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Group Art Unit: 1655	
Examiner Name: A. Chakrabarti	
SHEET 2 OF 4	Attorney Docket Number: 0685-UNMC.631 US

RW AC	C8	GITTES, R.F., "Carcinoma of the Prostate"; The New England Journal of Medicine, Vol. 324, No. 4, 236-245 (1991)
	C9	GHOSH-CHOUDHURY, G. et al., "Stable Transfer of a Mouse Dihydrofolate Reductase Gene into a Deficient Cell Line Using Human Adenovirus Vector"; Biochemical and Biophysical Research Communications, Vol. 147, No. 3, 964-973 (1987)
	C10	GRAYHACK, J.T. et al., "Carcinoma of the Prostate, Hormonal Therapy"; Cancer 60: 589-601 (1987)
	C11	GRUPPUSO, P.A. et al., "Growth Arrest Induced by Transforming Growth Factor β1 Is Accompanied by Protein Phosphatase Activation in Human Keratinocytes"; The Journal of Biological Chemistry, Vol. 266, No. 6, 3444-3448 (1991)
	C12	LANGELER, E.G. et al., "Effect of Culture Conditions on Androgen Sensitivity of the Human Prostatic Cancer Cell Line LNCaP"; The Prostate 23: 213-223 (1993)
	C13	LI, H. et al., "A phosphotyrosyl-protein phosphatase activity associated with acid phosphatase from human prostate gland"; Eur. J. Biochem. 138: 45-51 (1984)
	C14	LIN, M. et al., "The Epidermal Growth Factor Receptor from Prostate Cells Is Dephosphorylated by a Prostate-Specific Phosphotyrosyl Phosphatase"; Molecular and Cellular Biology, Vol. 8, No. 12, 5477-5485 (1988)
	C15	LIN, M. et al., "Human Prostatic Acid Phosphatase and Its Phosphotyrosyl-Protein Phosphatase Activity"; Adv. Prot. Phosphatases 4, 199-228 (1987)
	C16	LIN, M. et al., "Effect of cell density on androgen regulation of the mRNA level of human prostatic acid phosphatase"; Molecular and Cellular Endocrinology, 99: R21-R24 (1994)
	C17	LIN, M. et al., "Tyrosine Phosphorylation of a 185 kDa Phosphoprotein (pp185) Inversely Correlates with the Cellular Activity of Human Prostatic Acid Phosphatase"; Biochemical and Biophysical Research Communications, 226: 206-213 (1996)
	C18	LIN, M. et al., "Regulation of the Expression of Prostatic Acid Phosphatase in LNCaP Human Prostate Carcinoma Cells"; Cellular and Molecular Biology Research, Vol. 39, No. 8, 739-750 (1993)
	C19	LIN, M. et al., "Growth Inhibition of Androgen-Insensitive Human Prostate Carcinoma Cells by a 19-Norsteroid Derivative Agent, Mifepristone"; The Prostate 26: 194-204 (1995)
	C20	LIN, M. et al., "Human prostatic acid phosphatase has phosphotyrosyl phosphatase activity"; Biochem. J., 235: 351-357 (1986)
↓	C21	HOROSZEWICZ, J.S. et al., "LNCaP Model of Human Prostatic Carcinoma"; Cancer Research, 43: 1809-1818 (1983)
↓ AC	C22	LIN, M. et al., "Tyrosyl Kinase Activity Is Inversely Related to Prostatic Acid Phosphatase Activity in Two Human Prostate Carcinoma Cell Lines"; Molecular and Cellular Biology, Vol. 6., No. 12, 4753-4757 (1986)

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	First Named Inventor: Ming-Fong Lin
	Group Art Unit: 1655
	Examiner Name: A. Chakrabarti
SHEET 3 OF 4	Attorney Docket Number: 0685-UNMC.63131US

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Enl AC	C23	LIN, M. et al., "Expression of Human Prostatic Acid Phosphatase Correlates with Androgen-stimulated Cell Proliferation in Prostate Cancer Cell Lines"; The Journal of Biological Chemistry, Vol. 273, No. 10, 5939-5947 (1998)
	C24	LIN, M. et al., "The cellular level of prostatic acid phosphatase and the growth of human prostate carcinoma cells"; Differentiation, 57: 143-149 (1994)
	C25	LIN, M. et al., "Cationic Liposome-Mediated Incorporation of Prostatic Acid Phosphatase Protein into Human Prostate Carcinoma Cells"; Biochemical and Biophysical Research Communications, Vol. 192, No. 2, 413-419 (1993)
	C26	LIN, M. et al., "Regulation of Prostatic Acid Phosphatase Expression and Secretion by Androgen in LNCaP Human Prostate Carcinoma Cells"; Archives of Biochemistry and Biophysics, Vol. 300, No. 1, 384-390 (1993)
	C27	LIN, M. et al., "Expression of Human Prostatic Acid Phosphatase Activity and the Growth of Prostate Carcinoma Cells"; Cancer Research, 52: 4600-4607 (1992)
	C28	LIN, M. et al., "Purification and Characterization of a New Human Prostatic Acid Phosphatase Isoenzyme"; Biochemistry, 22: 1055-1062 (1983)
	C29	MENG, T., "Tyrosine Phosphorylation of c-ErbB-2 Is Regulated by the Cellular Form of Prostatic Acid Phosphatase in Human Prostate Cancer Cells"; The Journal of Biological Chemistry, Vol. 273, No. 34, 22096-22104 (1998)
	C30	OSTANIN, K. et al., "Heterologous Expression of Human Prostatic Acid Phosphatase and Site-directed Mutagenesis of the Enzyme Active Site"; The Journal of Biochemical Chemistry, Vol. 269, No. 12, 8971-8978 (1994)
	C31	PANG, S. et al., "Identification of a Positive Regulatory Element Responsible for Tissue-specific Expression of Prostate-specific Antigen"; Cancer Research, 57: 495-499 (1997)
	C32	PORVARI, K. et al., "Differential Androgen Regulation of Rat Prostatic Acid Phosphatase Transcripts"; Biochemical and Biophysical Research Communications, Vol. 213, No. 3, 861-868 (1995)
	C33	RUIZEVELD DE WINTER, J.A. et al., "Androgen Receptor Heterogeneity in Human Prostatic Carcinomas Visualized by Immunohistochemistry"; Journal of Pathology, Vol. 161: 329-332 (1990)
	C34	SAKAI, H. et al., "Prostate Specific Antigen and Prostatic Acid Phosphatase Immunoreactivity as Prognostic Indicators of Advanced Prostatic Carcinoma"; The Journal of Urology, Vol. 149, 1020-1023 (1993)
AC	C35	SCHNEIDER, G. et al., "Three-dimensional structure of rat acid phosphatase"; The EMBO Journal, Vol. 12, No. 7, 2609-2615 (1993)

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Group Art Unit: 1655	
Examiner Name: A. Chakrabarti	
SHEET 4 OF 4	Attorney Docket Number: 0685-UNMC.63131

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EW AC	C36	SHAN, J. et al., "Steroid-Involved Transcriptional Regulation of Human Genes Encoding Prostatic Acid Phosphatase, Prostate-Specific Antigen, and Prostate-Specific Glandular Kallikrein"; Endocrinology, Vol. 138, No. 9, 3764-3770 (1997)
	C37	SHARIEF, F.S. et al., "Nucleotide Sequence of Human Prostatic Acid Phosphatase ACPP Gene, Including Seven ALU Repeats"; Biochemistry and Molecular Biology International, Vol. 33, No. 3, 561-565 (1994)
	C38	SINHA, A.A. et al., "Relationship of Prostatic Acid Phosphatase Localization in Human Prostate by a Monoclonal Antibody With the Gleason Grading System"; The Prostate, 13: 1-15 (1988)
	C39	SOLIN, T. et al., "Gene expression and prostate specificity of human prostatic acid phosphatase (PAP): evaluation by RNA blot analyses"; Biochimica et Biophysica Acta, 1048: 72-77 (1990)
	C40	SUZUKI, H. et al., "Inhibition of Growth and Increase of Acid Phosphatase by Testosterone on Androgen-Independent Murine Prostatic Cancer Cells Transfected With Androgen Receptor cDNA"; The Prostate, 25: 310-319 (1994)
	C41	VALENCIA, A. et al., "Identification of a protein-tyrosine phosphatase (SHP1) different from that associated with acid phosphatase in rat prostate"; FEBS Letters, 406: 42-48 (1997)
	C42	VAN DER KWAST, T.H. et al., "Androgen Receptors in Endocrine-Therapy-Resistant Human Prostate Cancer"; Int. J. Cancer, 48: 189-193 (1991)
	C43	VIRKKUNEN, P. et al., "Structural Comparison of Human and Rat Prostate-Specific Acid Phosphatase Genes and Their Promoters: Identification of Putative Androgen Response Elements"; Biochemical and Biophysical Research Communications, Vol. 202, No. 1, 49-57 (1994)
	C44	SHAW, L.M. et al., "Immunological and Clinical Specificity of the Immunochemical Determination of Prostatic Acid Phosphatase"; Annals New York Academy of Sciences, 390: 73-88 (1982)
AC	C45	SAKAI, H. et al., "Immunohistochemical Prostatic Acid Phosphatase Level as a Prognostic Factor of Prostatic Carcinoma"; The Prostate, 19: 265-272 (1991)

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